Project Title	Funding	Strategic Plan Objective	Institution
White matter glial pathology in autism	$0	Q2.Other	East Tennessee State University
Visualizing neural circuits of social sensory processing	$62,500	Q2.Other	University of North Carolina
VIP Family Meetings	$194,646	Q2.S.G	VIP Family Meetings
Verbal/non-verbal asynchrony in adolescents with high-functioning Autism	$376,077	Q2.Other	EMERSON COLLEGE
Variation in Neuroligin Concentration and Presynaptic Functional Development	$237,438	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Validity and Reliability of New Standard for Resting fMRI Data	$84,750	Q2.Other	New York University
Using fMRI to understand the Neural Mechanisms of Pivotal Response Treatment	$0	Q2.L.B	University of California, Santa Barbara
UNS: GARDE: Research to Quantify the Health and Development of Children with Disabilities Around the Clock	$399,962	Q2.S.E	Kansas State University
Unreliability of neuronal responses in mouse models of autism	$62,500	Q2.Other	Carnegie Mellon University
Understanding the Role of Epac2 in Cognitive Function	$48,120	Q2.Other	Northwestern University
Understanding the Genetic Architecture of Rett Syndrome - an Autism Spectrum Disorder	$30,000	Q2.S.D	Cold Spring Harbor Laboratory
Understanding somatosensory deficits in Autism Spectrum Disorder	$62,500	Q2.Other	President and Fellows of Harvard College
Undergraduate Research Award	$0	Q2.S.B	University of Washington
Undergraduate Research Award	$3,000	Q2.S.D	Texas A&M University
Undergraduate Research Award	$0	Q2.S.G	Boston University
Undergraduate Research Award	$0	Q2.S.G	Harvard University
Undergraduate Research Award	$0	Q2.S.G	Rutgers University
Undergraduate Research Award	$0	Q2.L.A	Yale University
Undergraduate Research Award	$0	Q2.L.B	SAN DIEGO STATE UNIVERSITY
UBR7 is a novel chromatin directed E3 ubiquitin ligase	$225,956	Q2.Other	Northwestern University
Typical and Pathological Cellular Development of the Human Amygdala	$385,000	Q2.Other	University of California, Davis
TSC/mTOR Signaling in Adult Hippocampal Neurogenesis: Impact on Treatment and Behavioral Models of Autism Spectrum Disorders in Mice	$7,769	Q2.Other	University of California, Los Angeles
TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	$5,867	Q2.S.D	Case Western Reserve University
Treatment of Medical Conditions among Individuals with Autism Spectrum Disorders	$528,903	Q2.S.E	National Institutes of Health
Translational Regulation of Adult Neural Stem Cells	$372,633	Q2.S.D	University of Wisconsin
Translational dysregulation of the RhoA pathway in autism	$125,605	Q2.Other	The Regents of the University of California, San Diego

Project Title	Funding	Strategic Plan Objective	Institution
Translational dysregulation in autism pathogenesis and therapy	$250,000	Q2.S.D	Massachusetts General Hospital
Translation, Synchrony, and Cognition	$380,953	Q2.S.D	New York University
Transcriptional Regulators in Normal Human Brain Development and Autism	$21,100	Q2.Other	University of California, Los Angeles
Tools for manipulating local protein synthesis in the brain	$148,500	Q2.Other	UNIVERSITY OF TORONTO
Time Perception and Timed Performance in Autism	$219,234	Q2.Other	MICHIGAN STATE UNIVERSITY
Timed mRNA translation events in neocortical development and neurodevelopmental disorders	$39,720	Q2.Other	RBHS-ROBERT WOOD JOHNSON MEDICAL SCHOOL
The Social Brain in Schizophrenia and Autism Spectrum Disorders	$519,563	Q2.Other	HARTFORD HOSPITAL
The role of UBE3A in autism: Is there a critical window for social development?	$54,450	Q2.S.D	Erasmus University Medical Center
The role of the new mTOR complex, mTORC2, in autism spectrum disorders	$0	Q2.Other	Baylor College of Medicine
The role of Shank3 in neocortex versus striatum and the pathophysiology of autism	$0	Q2.S.D	Duke University
THE ROLE OF MECP2 IN RETT SYNDROME	$356,699	Q2.S.D	University of California, Davis
The Role of Glia in Fragile X Syndrome	$0	Q2.S.D	Johns Hopkins University
The role of Foxp1-regulated signaling pathways in brain development and behavior	$403,750	Q2.S.G	UT SOUTHWESTERN MEDICAL CENTER
The PI3K Catalytic Subunit p110delta as Biomarker and Therapeutic Target in Autism and Schizophrenia	$45,000	Q2.Other	Cincinnati Children's Hospital
The neurophysiology of sensory processing and multisensory integration in ASD	$426,311	Q2.Other	SYRACUSE UNIVERSITY
The neurobiological basis of heterogeneous social and motor deficits in ASD	$464,220	Q2.Other	University of Southern California
The mechanism of the maternal infection risk factor for autism	$0	Q2.S.A	California Institute of Technology
The intersection between habit and anxiety in a genetic model of autism	$62,500	Q2.S.E	Cold Spring Harbor Laboratory
The Interplay Between Human Astrocytes and Neurons in Psychiatric Disorders	$25,000	Q2.Other	University of California, San Diego
The Impact of Pten Signaling on Neuronal Form and Function	$405,000	Q2.Other	DARTMOUTH COLLEGE
The IL-17 pathway in the rodent model of autism spectrum disorder	$90,000	Q2.S.A	University of Massachusetts, Worcester
The genomic bridge project (GBP)	$168,600	Q2.S.G	Massachusetts General Hospital
The flexibility of individuation and ensemble representation	$54,194	Q2.Other	Northwestern University

Project Title	Funding	Strategic Plan Objective	Institution
The Elongation Hypothesis of Autism	$760,000	Q2.Other	University of North Carolina
The effect of maternal obesity and inflammation on neuronal and microglial functi	$78,250	Q2.S.A	MAYO CLINIC JACKSONVILLE
THE COGNITIVE SEARCHLIGHT: TRN CIRCUIT DISSECTION IN HEALTH AND DISEASE	$528,288	Q2.Other	New York University
The Cognitive Neuroscience of Autism Spectrum Disorders	$1,125,989	Q2.Other	National Institutes of Health
The Autistic Brain Over 45: The Anatomic, Functional, and Cognitive Phenotype	$771,520	Q2.L.A	SAN DIEGO STATE UNIVERSITY
Thalamocortical circuit defects in developmental brain disorders	$490,462	Q2.S.D	University of Maryland
Thalamic activity and structure and surface neural oscillations in autism	$207,016	Q2.Other	Children's Hospital of Philadelphia
Tet-mediated Epigenetic Modulation in Autism	$603,129	Q2.S.D	Emory University
Testing the ribosomal protein S6 as treatment target and biomarker in autism spectrum disorders	$0	Q2.S.D	Cincinnati Children's Hospital
Targeting the PI3K Enhancer PIKE to Reverse FXS-associated Phenotypes	$160,000	Q2.S.D	Emory University
Synergy between genetic risk and placental vulnerability to immune events	$250,874	Q2.S.A	Stanford University
Synaptic Phenotype, Development, and Plasticity in the Fragile X Mouse	$395,642	Q2.S.D	MICHIGAN STATE UNIVERSITY
Synaptic pathophysiology of the 16p11.2 microdeletion mouse model	$557,176	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Supplement to The Emergence and Stability of Autism in Fragile X Syndrome	$82,061	Q2.S.D	UNIVERSITY OF SOUTH CAROLINA
Studying Williams Syndrome to Better Characterize Early Social Behavior in ASD	$0	Q2.S.G	Washington University in St. Louis
Structural Polarity Influences Terminal Placement and Competition in Formation of the Calyx of Held	$32,714	Q2.Other	WEST VIRGINIA UNIVERSITY
Structural and Functional Neuroimaging of the Auditory System in Autism	$158,038	Q2.Other	Children's Hospital of Philadelphia
Striatal Specific Alterations in Translation, Synaptic Function, and Behavior in	$81,581	Q2.Other	New York University
Statistical Methods for Ultrahigh-dimensional Biomedical Data	$294,132	Q2.Other	PRINCETON UNIVERSITY
Statistical methodology and analysis of the Simons Simplex Collection and related data	$197,422	Q2.S.G	University of Pennsylvania
Speech Phenotype in 16p11.2	$99,684	Q2.S.G	Murdoch Childrens Research Institute
Spastic paraplegia, neurodegeneration and autism: possible role for AT-1/SLC33A1?	$330,978	Q2.Other	University of Wisconsin

Project Title	Funding	Strategic Plan Objective	Institution
Social reward in autism: Electrophysiological, behavioral, and clinical correlates	$0	Q2.Other	SEATTLE CHILDREN'S HOSPITAL
Social Motivations and Striatal Circuit Development in Children and Adolescents with Autism	$0	Q2.L.B	Stanford University
Social interaction and reward in autism: Possible role for ventral tegmental area	$0	Q2.Other	University of Geneva
Social Brain Networks for the Detection of Agents and Intentions	$316,250	Q2.Other	Yale University
Sleep Disordered Breathing, Microparticles and Proinflammation in ASD	$60,000	Q2.S.E	Stanford University
Single-cell approaches to deconvolution of disease-associated signals	$817,969	Q2.Other	University of California, San Diego
Simons Variation in Individuals Project (VIP) Statistical Core Site	$242,046	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Site	$275,599	Q2.S.G	University of Washington
Simons Variation in Individuals Project (VIP) Site	$245,108	Q2.S.G	Boston Children's Hospital
Simons Variation in Individuals Project (VIP) Site	$0	Q2.S.G	Baylor College of Medicine
Simons Variation in Individuals Project (VIP) Recruitment Core and Phase 2 Coordination Site	$436,237	Q2.S.G	Geisinger Clinic
Simons Variation in Individuals Project (VIP) Principal Investigator	$198,817	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Imaging Analysis Site	$0	Q2.S.G	Harvard University
Simons Variation in Individuals Project (VIP) Functional Imaging Site	$385,668	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (Simons VIP) Functional Imaging Site and Structural Imaging/Phenotyping Site	$309,295	Q2.S.G	Children's Hospital of Philadelphia
Signaling Pathways that Regulate Excitatory-inhibitory Balance	$30,000	Q2.Other	University of California, San Diego
Signaling Mechanisms Underlying Epilepsy and Autism Cormorbidity	$415,500	Q2.S.E	Baylor College of Medicine
SHB: Type II (INT): Synthesizing self-model and mirror feedback imageries with applications to behavior modeling for children with autism	$0	Q2.Other	University of Kentucky
Shared and Distinct Developmental Pathways to ADHD and Autism Spectrum Disorder	$82,062	Q2.S.E	University of California, Davis
Shank3 in Synaptic Function and Autism	$401,250	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Sexually dimorphic gene-expression and regulation to evaluate ASD sex bias	$125,000	Q2.S.B	University of California, San Francisco
Sex-specific regulation of social play	$391,250	Q2.S.B	BOSTON COLLEGE

Project Title	Funding	Strategic Plan Objective	Institution
Sex-specific modulation of ASD liability: Compensatory mechanisms and recurrence	$266,489	Q2.S.B	Washington University in St. Louis
Sensory contributions to autism spectrum disorders and links to social responsiveness	$27,778	Q2.Other	Vanderbilt University
Self-Regulation and Sleep in Children At Risk for Autism Spectrum Disorders	$240,004	Q2.S.E	PURDUE UNIVERSITY
Roles of pro-inflammatory Th17 cells in autism	$249,729	Q2.S.A	New York University
Role of UBE3A in the Central Nervous System	$321,269	Q2.S.D	University of North Carolina
Role of the 16p11.2 CNV in autism: genetic, cognitive and synaptic/circuit analyses	$0	Q2.S.G	Broad Institute, Inc.
Role of somatic mosaicism in autism, schizophrenia, and bipolar disorder brain	$619,801	Q2.S.G	HUGO W. MOSER RES INST KENNEDY KRIEGER
Role of Serotonin Signaling during Neural Circuitry Formation in Autism Spectrum Disorders	$0	Q2.S.D	Massachusetts Institute of Technology
Role of Neurexin in Synapse Formation and Maintenance	$59,966	Q2.Other	STANFORD UNIVERSITY
Role of MEF2 and neural activity in cortical synaptic weakening and elimination	$388,354	Q2.S.D	UT SOUTHWESTERN MEDICAL CENTER
Role of LIN28/let-7 axis in autism	$62,500	Q2.Other	Johns Hopkins University
Role of GABA interneurons in a genetic model of autism	$0	Q2.S.D	Yale University
Role of Draxin in Forebrain Connectivity and Complex Behaviors	$179,959	Q2.Other	WADSWORTH CENTER
Role of Autism Susceptibility Gene, TAOK2 kinase, and its novel substrates in Synaptogenesis	$120,904	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Role of autism-associated chromatin remodeler Brg1 in neuronal development	$198,750	Q2.Other	UT SOUTHWESTERN MEDICAL CENTER
Role of a novel PRCI complex in neurodevelopment and ASD neurobiology	$225,000	Q2.Other	New York University
RNA dysregulation in autism	$125,000	Q2.Other	ROCKEFELLER UNIVERSITY
RI: Small: Addressing visual analogy problems on the raven's intelligence test	$0	Q2.Other	Georgia Tech Research Corporation
Research Project: Sensory and Multisensory Contributions to Autism	$357,191	Q2.Other	Vanderbilt University
Rescuing synaptic and circuit deficits in an Angelman syndrome mouse model	$60,000	Q2.S.D	Arizona Board of Regents, University of Arizona
Reproducible protocols for robust cortical neuron and astroglial differentiation	$500,132	Q2.Other	University of California, San Diego
Regulation of Neuroligins and Effects on Synapse Number and Function	$995,177	Q2.Other	National Institutes of Health
Regulation of Interneuron Development in the Cortex and Basal Ganglia by Coup-TF2	$30,000	Q2.Other	University of California, San Francisco

Project Title	Funding	Strategic Plan Objective	Institution
Regulation of cortical circuits by tsc1 in GABAergic interneurons	$0	Q2.S.B	Yale University
Refining the Tourette Syndrome phenotype across diagnoses to aid gene discovery	$104,613	Q2.Other	UNIVERSITY OF FLORIDA
Refining the Tourette Syndrome phenotype across diagnoses to aid gene discovery	$299,537	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Reducing Diversity at the Gamma Protocadherin Locus by CRISPR Targeting	$230,739	Q2.Other	JACKSON LABORATORY
Reconceptualizing Brain Connectivity and Development in Autism	$30,000	Q2.Other	University of Miami
Rapid screening for cortical circuit dysfunction in autism-related mouse models	$0	Q2.S.D	University of California, Berkeley
Quantitative Measurements of Cortical Excitability in Neurodevelopmental Disorder	$237,250	Q2.Other	STANFORD UNIVERSITY
Protein network of high risk copy number variants for psychiatric disorders	$193,750	Q2.Other	University of California, San Diego
Protein Interaction Network Analysis to Test the Synaptic Hypothesis of Autism	$90,000	Q2.Other	MAYO CLINIC ROCHESTER
Protein Interaction Network Analysis to Test the Synaptic Hypothesis of Autism	$249,000	Q2.Other	SEATTLE CHILDREN'S HOSPITAL
Project 4: Calcium Signaling Defects in Autism (Pessah/Lein)	$107,518	Q2.Other	University of California, Davis
Project 3: Immune Environment Interaction and Neurodevelopment	$107,931	Q2.S.A	University of California, Davis
Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation	$55,796	Q2.S.D	UNIVERSITY OF SOUTH CAROLINA
Probing the neural basis of social behavior in mice	$0	Q2.S.D	Massachusetts Institute of Technology
Probing the Molecular Mechanisms Underlying Autism: Examination of Dysregulated Protein Synthesis	$0	Q2.S.D	National Institutes of Health
Probing synaptic receptor composition in mouse models of autism	$124,998	Q2.S.D	Boston Children's Hospital
Presynaptic Fragile X Proteins	$249,000	Q2.S.D	DREXEL UNIVERSITY
Prefrontal corticothalamic circuits in autism	$178,646	Q2.Other	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Predictors of Cognitive Development in Autism Spectrum Disorder	$504,641	Q2.L.A	University of California, Davis
Predicting risk and resilience in ASD through social visual engagement	$202,265	Q2.L.B	Emory University
PREDICTING PRESCHOOL PSYCHOPATHOLOGY WITH BRAIN CONNECTIVITY IN PRETERM NEONATES	$169,998	Q2.L.B	Washington University in St. Louis

Project Title	Funding	Strategic Plan Objective	Institution
PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	$0	Q2.S.E	University of North Carolina
PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	$0	Q2.S.E	Duke University
PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	$0	Q2.S.E	Duke University
Pragmatic language and social-emotional processing in autism, fragile X, and the FMR1 premutation	$0	Q2.S.D	Northwestern University
PPAR/SIRT1 PATHWAY IN C. ELEGANS	$22,740	Q2.S.D	Children's Hospital of Philadelphia
Potassium channels as therapeutic targets in autism	$60,000	Q2.S.D	Administrators of the Tulane Educational Fund
Platform for autism treatments from exome analysis	$289,390	Q2.S.E	ROCKEFELLER UNIVERSITY
PHENOTYPING ASTROCYTES IN HUMAN NEURODEVELOPMENTAL DISORDERS	$386,607	Q2.Other	STANFORD UNIVERSITY
Phenotypic Characterization of Gene Disrupting Mutations in ASD	$435,213	Q2.S.G	University of Washington
PET/MRI investigation of neuroinflammation in autism spectrum disorders	$54,400	Q2.S.A	Massachusetts General Hospital
Perturbation of Excitatory Synapse Formation in Autism Spectrum Disorders	$30,000	Q2.Other	Max Planck Florida Institute for Neuroscience
PEDIATRIC BRAIN IMAGING	$1,507,456	Q2.L.A	National Institutes of Health
Pathogenic roles of paternal-age-associated mutations in autism	$62,500	Q2.Other	Weill Cornell Medical College
Parameterizing Neural Habituation in ASD with Sensory Overresponsivity	$62,479	Q2.Other	The Regents of the University of California, Los Angeles
Organization of Excitatory and Inhibitory Circuits in ASD	$395,236	Q2.Other	Boston University
Optogenetic treatment of social behavior in autism	$60,236	Q2.Other	University of California, Los Angeles
Optogenetic treatment of social behavior in autism	$385,000	Q2.Other	University of California, Los Angeles
Ontogeny and neural basis of social visual engagement in monkeys	$312,542	Q2.Other	Emory University
Novel candidate mechanisms of fragile X syndrome	$248,235	Q2.S.D	UNIVERSITY OF MICHIGAN
Nonsocial Interests and Reward Processing in Autism Spectrum Disorders	$30,000	Q2.L.B	Vanderbilt University
New Models For Astrocyte Function in Genetic Mouse Models of Autism Spectrum Diso	$396,250	Q2.S.D	CLEVELAND CLINIC LERNER COM-CWRU
Neurotrophic Factor Regulation of Gene Expression	$618,134	Q2.S.D	Harvard University
Neurophenotypic Trajectories and Behavioral Outcomes in Autism Spectrum Disorder	$770,599	Q2.L.A	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Neuropathology of the Shank3 mouse model for autism	$0	Q2.S.D	University of Louisville
Neuronal translation in Tsc2+/- and Fmr1-/y mutant ASD mouse models	$62,500	Q2.S.D	The Trustees of Columbia University in the City of New York
Neuronal Correlates of Autistic Traits in ADHD and Autism	$870,670	Q2.Other	New York University
Neuronal Basis of Vicarious Reinforcement Dysfunction in Autism Spectrum Disorder	$309,592	Q2.Other	Duke University
Neuronal Adaptation and Plasticity after Chronic Disuse	$423,750	Q2.Other	New York University
Neuronal Activity-Dependent Regulation of MeCP2	$600,383	Q2.S.D	Harvard University
Neuroimaging signatures of autism: Linking brain function to genes and behavior	$190,558	Q2.S.G	University of California, Los Angeles
Neuroimaging genetics to study social cognitive deficits in ASD and schizophrenia	$118,500	Q2.S.G	Massachusetts General Hospital
Neurobiology of Rai1, a critical gene for syndromic ASDs	$87,500	Q2.S.D	The Board of Trustees of the Leland Stanford Junior University (Stanford)
Neurobiological Mechanism of 15q11-13 Duplication Autism Spectrum Disorder	$380,625	Q2.S.D	BETH ISRAEL DEACONESS MEDICAL CENTER
Neurobiological foundations of self-conscious emotion understanding in adolescents with ASD	$30,000	Q2.Other	University of Oregon
Neurobiological Correlates of Motor Impairment in Children with 16p11.2	$0	Q2.S.G	Children's Hospital of Philadelphia
Neuregulin 1 (NRG1) in autistic children	$0	Q2.S.A	Hartwick College
Neural Synchrony and Plasticity in Children with Autism	$56,100	Q2.Other	University of North Carolina
Neural Phenotypes of Females with Autism Spectrum Disorder	$173,011	Q2.S.B	University of California, Davis
Neural Phenotypes of Females with Autism Spectrum Disorder	$675,236	Q2.S.B	University of California, Davis
Neural networks for attention to internal and external sensory cues in ASD	$379,582	Q2.Other	Vanderbilt University
Neural mechanisms underlying autism behaviors in SCN1A mutant mice	$100,000	Q2.S.D	University of Washington
Neural markers of shared gaze during simulated social interactions in ASD	$416,250	Q2.Other	Yale University
Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$0	Q2.S.D	Children's Hospital of Philadelphia
Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	$0	Q2.S.D	Nemours Children's Health System, Jacksonville
Neural Correlates of Imitation in Children with Autism and their Unaffected Siblings	$0	Q2.L.B	Harvard University
Neural Correlates of Biological Motion Perception in Children with ASD	$177,012	Q2.L.A	Yale University

Project Title	Funding	Strategic Plan Objective	Institution
Neural Circuits That Regulate Social Motivation in Autism	$150,542	Q2.Other	University of North Carolina
Neural basis underlying autistic behaviors	$240,000	Q2.Other	The Scripps Research Institute
Neural Basis of Deficits in Multisensory Integration in Schizophrenia and ASD	$30,000	Q2.Other	Columbia University
Neural basis of cross-modal influences on perception	$0	Q2.Other	University of California, San Diego
Neural and cognitive discoordination in autism-related mouse models	$280,480	Q2.S.D	New York University
Network Optimization of Functional Connectivity in Neuroimaging for Differential Diagnosis of Brain Diseases	$0	Q2.Other	University of Washington
Near-infrared spectroscopy studies of early neural signatures of autism	$0	Q2.L.B	Yale University
Na+-H+ Exchanger Mechanisms in Autism Pathophysiology and Treatment	$29,475	Q2.Other	Brown University
Multisensory processing in autism	$0	Q2.Other	Baylor College of Medicine
Multiscale Genetic Connectivity of Primate Social Circuits	$647,114	Q2.Other	UNIVERSITY OF UTAH
Multimodal Imaging of Social Brain Networks in ASD	$149,499	Q2.Other	SAN DIEGO STATE UNIVERSITY
Multimodal Imaging of Early Neural Signature in Autism Spectrum Disorder	$392,186	Q2.L.A	SAN DIEGO STATE UNIVERSITY
Multimodal Developmental Neurogenetics of Females with ASD	$2,703,126	Q2.S.B	Yale University
Multimodal Characterization of the Brain Phenotype in Children with Duplication of the 7q11.23 Williams Syndrome Chromosomal Region: A Well-defined Genetic Model for Autism	$0	Q2.S.G	National Institutes of Health
Multigenic basis for autism linked to 22q13 chromosomal region	$125,000	Q2.S.D	Hunter College of the City University of New York (CUNY) jointly with Research Foundation of CUNY
mTOR modulation of myelination	$179,659	Q2.S.D	Vanderbilt University
MRI Biomarkers of Patients with Tuberous Sclerosis Complex and Autism	$727,821	Q2.S.D	CHILDREN'S HOSPITAL CORPORATION
MRI: Acquistion of an Infrared Eye Tracker to Study the Emergence, Use, Loss, and Requisition of Communication Skills	$0	Q2.Other	Emerson College
Mouse model of maternal allergic asthma and offspring autism-like behavioral deficits	$432,669	Q2.S.A	MOUNT HOLYOKE COLLEGE
Mouse Model of Dup15q Syndrome	$32,635	Q2.S.D	Texas AgriLife Research
Motor cortex plasticity in MeCP2 duplication syndrome	$30,000	Q2.S.D	Baylor College of Medicine
Mosaicism in focal cortical dysplasias spectrum seen in neuropsychiatric disease	$862,077	Q2.S.G	ROCKEFELLER UNIVERSITY

Project Title	Funding	Strategic Plan Objective	Institution
Monoallelic expression in neurons derived from induced pluripotent stem cells	$35,232	Q2.Other	ALBERT EINSTEIN COLLEGE OF MEDICINE
Monoallelic expression in neurons derived from induced pluripotent stem cells	$382,268	Q2.Other	ALBERT EINSTEIN COLLEGE OF MEDICINE
Molecular mechanisms of the synaptic organizer alpha-neurexin	$388,750	Q2.Other	UNIVERSITY OF TEXAS MEDICAL BR GALVESTON
Molecular mechanisms linking early life seizures, autism and intellectual disabil	$331,905	Q2.S.E	University of Colorado, Denver
Molecular Dissection of Calmodulin Domain Functions	$321,473	Q2.Other	UNIVERSITY OF IOWA
Molecular control of prefrontal cortical circuitry in autism	$211,875	Q2.Other	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Molecular analysis of gene-environment interactions in the intestines of children with autism	$150,000	Q2.S.E	Columbia University
Modeling Pitt-Hopkins Syndrome, an Autism Spectrum Disorder, in Transgenic Mice Harboring a Pathogenic Dominant Negative Mutation in TCF4	$0	Q2.S.D	University of North Carolina
Modeling multiple heterozygous genetic lesions in autism using Drosophila melanogaster	$101,373	Q2.Other	University of California, Los Angeles
Modeling Microglial Involvement in Autism Spectrum Disorders, with Human Neuro-glial Co-cultures	$30,000	Q2.S.D	Whitehead Institute for Biomedical Research
Mitochondrial dysfunction due to aberrant mTOR-regulated mitophagy in autism	$183,568	Q2.S.A	Columbia University
Mitochondrial Dysfunction and Autism Spectrum Disorders-Inflammatory Subtype	$56	Q2.S.A	University of Arkansas
MIG-6 tumor suppressor gene protein and ERK 1 and 2 and their association with EGF and EGFR in autistic children	$0	Q2.S.A	Hartwick College
Microglia in models of normal brain development, prenatal immune stress and genetic risk for autism	$100,000	Q2.S.A	Harvard University
Mechanotransduction C. elegans	$588,908	Q2.Other	Massachusetts General Hospital
Mechanisms underlying word learning in fragile X syndrome and nonsyndromic ASD	$156,333	Q2.S.D	University of California, Davis
Mechanisms underlying word learning in children with ASD: Non-social learning and	$172,195	Q2.Other	Boston University
Mechanisms underlying the Cerebellar Contribution to Autism in Mouse Models of Tuberous Sclerosis Complex	$190,458	Q2.S.D	UT SOUTHWESTERN MEDICAL CENTER
Mechanisms of synaptic alterations in a neuroinflammation model of autism	$0	Q2.S.A	University of Nebraska
Mechanisms of synapse elimination by autism-linked genes	$0	Q2.S.D	University of Texas Southwestern Medical Center
Mechanisms of Motor Skill Learning in the Fragile X Mouse Model	$300,434	Q2.S.D	University of Nebraska

Project Title	Funding	Strategic Plan Objective	Institution
Mechanisms of mGluR5 function and dysfunction in mouse autism models	$410,720	Q2.S.D	UT SOUTHWESTERN MEDICAL CENTER
Mechanisms of Autonomic Brainstem Development	$202,500	Q2.Other	CHILDREN'S HOSPITAL OF LOS ANGELES
Mechanisms and Rescue of Neural Circuit Dysfunction in Mecp2 Mutant Mice	$92,578	Q2.S.D	Baylor College of Medicine
Mechanical characterization of brain tissue and individual neurons in Autism Spectrum Disorders	$0	Q2.Other	Boston Children's Hospital
Maximizing Biospecimen Collection from Children with Mental Health Conditions	$172,728	Q2.S.C	GROUP HEALTH COOPERATIVE
Mathematical Cognition in Autism: A Cognitive and Systems Neuroscience Approach	$605,511	Q2.Other	STANFORD UNIVERSITY
Maternal Immune Activation in a Genetic Mouse Model of ASD	$387,961	Q2.S.A	University of Nebraska
MATERNAL BRAIN-REACTIVE ANTIBODIES AND AUTISM SPECTRUM DISORDER	$0	Q2.S.A	Feinstein Institute for Medical Research
Mapping the Neurobehavioral Phenotype in Phelan McDermid Syndrome	$0	Q2.S.D	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Mapping Thalamocortical Networks Across Development in ASD	$235,500	Q2.Other	Vanderbilt University
Mapping functional neural circuits that mediate social behaviors in autism	$62,500	Q2.Other	Duke University
Magnetoencephalographic studies of lexical processing and abstraction in autism	$306,829	Q2.Other	University of Pennsylvania
MAGEL2, a candidate gene for autism and Prader-Willi syndrome	$105,977	Q2.S.D	University of Alberta
Macrophage Polarization and Utility of in Vivo Therapy with a Brain-Permeable Anti-TNF Agent in Models of Autism	$282,639	Q2.S.A	Emory University
Macrophage Polarization and Utility of in Vivo Therapy with a Brain-Permeable Anti-TNF Agent in Models of Autism	$246,807	Q2.S.A	Emory University
Long non-coding RNAs in gene regulatory networks underlying Autism	$211,875	Q2.Other	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Longitudinal MRI Study of Brain Development in Fragile X	$769,619	Q2.S.D	STANFORD UNIVERSITY
Longitudinal Characterization of Functional Connectivity in Autism	$182,352	Q2.L.A	UNIVERSITY OF UTAH
Local functional connectivity in the brains of people with autism	$49,961	Q2.L.B	Massachusetts General Hospital
Local connectivity in altered excitation/inhibition balance states	$0	Q2.Other	Weizmann Institute of Science

Project Title	Funding	Strategic Plan Objective	Institution
Linking genetic mosaicism, neural circuit abnormalities and behavior	$0	Q2.S.D	Brown University
Linking circuit dynamics and behavior in a rat model of autism	$0	Q2.S.D	University of California, San Francisco
LEARNING AND PLASTICITY IN THE HUMAN BRAIN	$339,183	Q2.Other	National Institutes of Health
Language Development in Fragile X Syndrome	$495,501	Q2.S.D	University of California, Davis
In-vivo MRS assay of brain glutamate-GABA balance and drug response in autism	$0	Q2.L.B	King's College London
Investigating the role of Tsc1 in neocortical circuit assembly	$52,406	Q2.S.D	STANFORD UNIVERSITY
Investigating the Role of RBFOX1 in Autism Etiology	$30,000	Q2.Other	University of Miami
Investigating the Mechanism of Optic Nerve Hypoplasia Associated with CASK Mutation	$398,230	Q2.Other	VIRGINIA POLYTECHNIC INST AND ST UNIV
Investigating role of neurexin-1 mutation in autism using human induced neurons	$56,042	Q2.Other	STANFORD UNIVERSITY
Investigating Autism with Direct Intracranial Recordings	$35,000	Q2.S.E	California Institute of Technology
Intrinsic Brain Architecture of Young Children with Autism While Awake and Asleep	$211,875	Q2.Other	New York University
Intra-Prenatal Origins of Neurometabolic Consequences	$319,550	Q2.S.A	University of California, Los Angeles
Interrogating Synaptic Transmission in Human Neurons	$30,000	Q2.Other	Stanford University
Interneuron subtype-specific malfunction in autism spectrum disorders	$240,000	Q2.Other	New York University
Integrity and Dynamic Processing Efficiency of Networks in ASD	$641,036	Q2.Other	SAN DIEGO STATE UNIVERSITY
Integrative Regulatory Network Analysis of iPSCs Derived Neuronal Progenitors from Macrocephalic ASD Individuals in a Family-based Design	$60,000	Q2.Other	Yale University
Inhibitory mechanisms for sensory map plasticity in cerebral cortex.	$326,282	Q2.Other	University of California, Berkeley
Inhibitory dysfunction in autism	$647,425	Q2.Other	University of Washington
Induced neuronal cells: A novel tool to study neuropsychiatric diseases	$680,862	Q2.Other	STANFORD UNIVERSITY
Impairments of Theory of Mind disrupt patterns of brain activity	$321,000	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Impact of SynGAP1 Mutations on Synapse Maturation and Cognitive Development	$614,568	Q2.Other	The Scripps Research Institute
Impact of Pten mutations: brain growth trajectory and scaling of cell types	$60,000	Q2.Other	The Scripps Research Institute
Immune signaling in the developing brain in mouse models of ASD	$200,000	Q2.S.A	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Immune p38-alpha MAPK activation: Convergent mechanism linking autism models	$212,061	Q2.S.A	Florida Atlantic University
Imaging of protein synthesis and ubiquitination in fragile x syndrome	$195,000	Q2.S.D	Emory University
Imaging markers of brain malformations in people with 16p11.2 alterations	$0	Q2.S.G	New York University
IMAGING DEPRESSION IN ADULTS WITH ASD	$0	Q2.S.E	State University New York, Stony Brook
IMAGING BRAIN FUNCTION IN CHILDREN WITH AUTISM SPECTRUM DISORDERS WITH DIFFUSE OPTICAL TOMOGRAPHY	$141,211	Q2.Other	Washington University in St. Louis
Imaging-based real-time feedback to enhance therapeutic intervention in ASD	$0	Q2.L.B	Stanford University
Imaging adaptive cerebellar processing at cellular resolution in awake mice	$428,215	Q2.Other	PRINCETON UNIVERSITY
Illuminating the role of glia in a zebrafish model of Rett syndrome	$62,500	Q2.S.D	The Regents of the University of California, San Diego
Identifying the gene in 17q12 responsible for neuropsychiatric phenotypes	$0	Q2.S.G	Geisinger Clinic
Identifying a blood-based biomarker for Autism Spectrum Disorder-related inflammatory bowel disease	$60,000	Q2.S.E	Wake Forest University
Identification of TSC cellular phenotypes using patient-derived iPSCs	$193,750	Q2.S.D	Rutgers University
Identification of human-relevant CLOCK molecular signaling pathways	$201,875	Q2.S.E	UT SOUTHWESTERN MEDICAL CENTER
Identification of genetic pathways that regulate neuronal circuits in C. elegans	$54,194	Q2.Other	University of California, San Diego
Identification of genes responsible for a genetic cause of autism	$250,000	Q2.Other	Case Western Reserve University
Identification and validation of genetic variants which cause the Autism Macrocephaly subphenotype	$29,500	Q2.S.G	University of California, Los Angeles
Identification and Functional Analysis of Risk Genes for Autistic Macrocephaly	$30,000	Q2.S.G	King's College London
How autism affects speech understanding in multitalker environments	$0	Q2.Other	University of Maryland
Hippocampal mechanisms of social learning in animal models of autism	$62,500	Q2.Other	Baylor College of Medicine
High content assays for cellular and synaptic phenotypes	$462,191	Q2.Other	University of California, San Diego
Heparan sulfate in neurophysiology and neurological disorders	$449,744	Q2.Other	SANFORD-BURNHAM MEDICAL RESEARCH INSTIT
Gesture as a forerunner of linguistic change- insights from autism	$0	Q2.L.A	Georgia State University

Project Title	Funding	Strategic Plan Objective	Institution
Genotype to Phenotype Association in Autism Spectrum Disorders	$30,000	Q2.S.G	Massachusetts General Hospital
Genotype-Phenotype Relationships in Fragile X Families	$633,789	Q2.S.D	University of California, Davis
Genomics Core	$142,154	Q2.Other	University of California, San Diego
Genome-wide Identification of Variants Affecting Early Human Brain Development	$370,249	Q2.S.G	University of North Carolina
Genetics of conotruncal defects and associated neurodevelopmental outcomes	$453,446	Q2.S.E	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
Genetics Behind Brain Connectivity in ASD	$25,000	Q2.S.G	University of Texas Southwestern Medical Center
Genetic Modifiers of Seizure Disorders in Fragile X Syndrome	$261,539	Q2.S.D	Emory University
Genetic investigations of motor stereotypies	$0	Q2.S.G	Yale University
Genetic-imaging study of obsessive compulsive behavior in autism	$370,245	Q2.S.E	BROWN UNIVERSITY
Genetic and genomic analyses to connect genes to brain to cognition in ASD	$253,652	Q2.S.G	University of California, Los Angeles
Genetic and Developmental Analyses of Fragile X Mental Retardation Protein	$383,322	Q2.S.D	Vanderbilt University
Gaining insight into psychiatric disease by engineering piece by piece the human brain in vitro.	$496,813	Q2.Other	STANFORD UNIVERSITY
GABRB3 and Placental Vulnerability in ASD	$581,537	Q2.S.A	STANFORD UNIVERSITY
FUNCTION OF NEUREXINS	$716,276	Q2.Other	STANFORD UNIVERSITY
Function and Structure Adaptations in Forebrain Development	$678,394	Q2.Other	CHILDREN'S HOSPITAL OF LOS ANGELES
Functional Genomics of Human Brain Development	$1,313,408	Q2.Other	Yale University
Functional Genomics of Human Brain Development	$317,764	Q2.Other	Yale University
Functional connectivity substrates of social and non-social deficits in ASD	$701,636	Q2.Other	Massachusetts General Hospital
FUNCTIONAL AND STRUCTURAL OPTICAL BRAIN IMAGING	$682,022	Q2.Other	National Institutes of Health
FUNCTIONAL ANATOMY OF FACE PROCESSING IN THE PRIMATE BRAIN	$1,695,557	Q2.Other	National Institutes of Health
Functional analysis of Neuroligin-Neurexin interactions in synaptic transmission	$336,875	Q2.Other	University of Massachusetts, Worcester
Functional analysis of EPHB2 mutations in autism - Project 1	$0	Q2.Other	Yale University
Functional analysis of EPHB2 mutations in autism	$62,475	Q2.Other	McLean Hospital
Fragile X syndrome target analysis and its contribution to autism	$124,725	Q2.S.D	Vanderbilt University

Project Title	Funding	Strategic Plan Objective	Institution
Foundation Associates agreement (BrainNet)	$625,000	Q2.S.C	Foundation Associates
Folate receptor autoimmunity in Autism Spectrum Disorders	$149,963	Q2.S.A	State University of New York, Downstate Medical Center
FMRP regulates the pruning of cell-to-cell connections in the neocortex	$79,500	Q2.S.D	UT SOUTHWESTERN MEDICAL CENTER
FMRP and Pumilio co-regulate synaptogenesis by controlling Neuroglian expression	$27,480	Q2.S.D	Vanderbilt University
FMRI and EEG approaches to the resting state in ASD	$190,411	Q2.Other	SAN DIEGO STATE UNIVERSITY
Explore the pathogenic role of mTor signaling in chr16p11.2 microdeletion	$60,000	Q2.Other	CHILDREN'S HOSPITAL OF LOS ANGELES
Exploration of the development and trajectory of Daily Living Skills in children and adolescents with autism spectrum disorder	$15,600	Q2.Other	Cincinnati Children's Hospital
Executive Function in Children with Typical and Atypical Language Abilities	$514,484	Q2.Other	University of Wisconsin
Excitatory/Inhibitory Imbalance in Autism and Early-course Schizophrenia	$14,931	Q2.L.B	Connecticut Mental Health Center Yale University
Engrailed targets and the control of synaptic circuits in Drosophila	$375,000	Q2.Other	UNIVERSITY OF PUERTO RICO MED SCIENCES
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$639,375	Q2.S.G	SLOAN-KETTERING INST CAN RESEARCH
Engagement of Social Cognitive Networks during Game Play in Autism	$29,933	Q2.Other	Duke University
Endocannabinoids in social and repetitive behavioral domains	$143,751	Q2.L.B	Vanderbilt University
Emergence and Stability of Autism in Fragile X Syndrome	$358,000	Q2.S.D	UNIVERSITY OF SOUTH CAROLINA
ELUCIDATING THE FUNCTION OF CLASS 4 SEMAPHORINS IN GABAERGIC SYNAPSE FORMATION.	$353,931	Q2.Other	BRANDEIS UNIVERSITY
Elevated serum neurotensin and CRH levels in children with autistic spectrum disorders and tail-chasing Bull Terriers with a phenotype similar to autism.	$0	Q2.S.A	Tufts University
Electrophysiological Signatures of Language Impairment in Autism Spectrum Disord	$312,853	Q2.Other	Children's Hospital of Philadelphia
Electrophysiological Response to Executive Control Training in Autism	$235,084	Q2.Other	CHILDREN'S HOSPITAL CORPORATION
Effects of Social Gaze Training on Brain and Behavior in Fragile X Syndrome	$352,066	Q2.S.D	STANFORD UNIVERSITY
EEG-Based Assessment of Functional Connectivity in Autism	$175,176	Q2.Other	HUGO W. MOSER RES INST KENNEDY KRIEGER
Early Life Seizures Disrupt Critical Period Plasticity	$413,020	Q2.S.E	University of Pennsylvania

Project Title	Funding	Strategic Plan Objective	Institution
Early Life Seizures Disrupt Critical Period Plasticity	$135,045	Q2.S.E	University of Pennsylvania
Dysregulation of Protein Synthesis in Fragile X Syndrome and Other Developmental Disorders	$1,221,847	Q2.S.D	National Institutes of Health
Dysregulation of mTOR Signaling in Fragile X Syndrome	$250,167	Q2.S.D	ALBERT EINSTEIN COLLEGE OF MEDICINE
Dysregulation of mTOR Signaling in Fragile X Syndrome	$164,833	Q2.S.D	ALBERT EINSTEIN COLLEGE OF MEDICINE
Dysregulation of mTor/Tsc in 22q11DS Autism Model	$62,500	Q2.S.D	GEORGE WASHINGTON UNIVERSITY
Dysregulation of Mdm2-mediated p53 ubiquitination in autism mouse models	$0	Q2.S.D	University of Illinois at Chicago
Dysregulated Translation and Synaptic Dysfunction in Medium Spiny Neurons of Autism Model Mice	$33,333	Q2.Other	New York University
Dynamic regulation of Shank3 and ASD	$612,287	Q2.Other	Johns Hopkins University
Dual modulators of GABA-A and Alpha7 nicotinic receptors for treating autism	$0	Q2.Other	University of California, Irvine
Dissecting the Human Magnocellular Visual Pathway in Perceptual Disorders	$28,000	Q2.Other	New York University
Dissecting the 16p11.2 CNV endophenotype in induced pluripotent stem cells	$54,400	Q2.S.D	University of California, San Francisco
Dissecting recurrent microdeletion syndromes using dual-guide genome editing	$580,798	Q2.Other	Massachusetts General Hospital
Dissecting Reciprocal CNVs Associated With Autism	$30,000	Q2.Other	Duke University
Dissecting neural mechanisms integrating multiple inputs in C. elegans	$485,000	Q2.Other	SALK INSTITUTE FOR BIOLOGICAL STUDIES
DISRUPTION OF TROPHIC INHIBITORY SIGNALING IN AUTISM SPECTRUM DISORDERS	$0	Q2.Other	Northwestern University
Disruption of Reelin biosynthesis by de novo missense mutations found in aut	$33,503	Q2.Other	UPSTATE MEDICAL UNIVERSITY
Disrupted Network Activity in Neonatal Cortex of Mouse Models of Autism	$125,000	Q2.S.B	Yale University
Disrupted Homeostatic Synaptic Plasticity in Autism Spectrum Disorders.	$125,000	Q2.Other	Brandeis University
Direct Recordings from the Brain in Autism	$60,000	Q2.S.E	California Institute of Technology
Direct recording from autism brains	$0	Q2.S.E	California Institute of Technology
Direct Examination of Imitation-Based Learning in Autism	$161,600	Q2.Other	HUGO W. MOSER RES INST KENNEDY KRIEGER
Dimensional analysis of developmental brain disorders using an online, genome-first approach	$667,178	Q2.S.G	Geisinger Clinic
Development of vision and attention in typical and ASD individuals	$291,359	Q2.S.G	BROWN UNIVERSITY
Development of the Functional Touch Circuit	$52,406	Q2.Other	Harvard University

Project Title	Funding	Strategic Plan Objective	Institution
Development of auditory circuits in mouse models of autism	$54,194	Q2.Other	University of Maryland
Development of a connectomic functional brain imaging endophenotype of autism	$13,664	Q2.Other	University of Cambridge
Development and afferent regulation of auditory neurons	$376,200	Q2.S.D	Florida State University
DEVELOPMENTAL SYNAPTOPATIES ASSOCIATED WITH TSC, PTEN AND SHANK3 MUTATIONS	$310,746	Q2.S.G	CHILDREN'S HOSPITAL CORPORATION
Developmental Linkage of Metabolic Homeostasis and Sociality	$280,918	Q2.S.A	Indiana University
Developmental in Axons underlie Neuropsychiatric Illness	$30,000	Q2.Other	Children's Research Institute (CRI)
DETECTING THE TRANSFER OF MATERNAL ANTIBODIES INTO THE FETAL RHESUS MONKEY BRAIN	$233,500	Q2.S.A	University of California, Davis
Dendritic 'translatome' in fragile X syndrome and autism	$0	Q2.S.D	University of Michigan
Delineating the role of Ras/MAPK signaling in 16p11.2 phenotypes	$125,000	Q2.Other	The Regents of the University of California, San Francisco (Contracts & Grants)
Deficits in KCC2 activity and the pathophysiology of Autism spectrum disorders	$247,500	Q2.Other	Tufts University
Decoding the RGS14 Interactome/Signalosome in CA2 hippocampal neurons	$191,640	Q2.Other	Emory University
Decoding Neural Systems Underlying Affective Prosody in Children with Autism	$175,960	Q2.Other	STANFORD UNIVERSITY
Decoding Affective Prosody and Communication Circuits in Autism	$281,028	Q2.L.B	Stanford University
CRISPR/Cas9-Based Functional Characterization of ANK2 Mutations in ASD Neural Circuitry	$84,431	Q2.S.G	Massachusetts General Hospital
Cortico-striatal dysfunction in the eIF4E transgenic mouse model of autism	$62,497	Q2.S.D	New York University
Corticogenesis and Autism Spectrum Disorders: New Hypotheses on Transcriptional Regulation of Embryonic Neurogenesis by FGFs from In Vivo Studies and RNA-sequencing Analysis of Mouse Brain	$29,993	Q2.Other	Yale University
Cortical Plasticity in Autism Spectrum Disorders	$437,188	Q2.Other	BETH ISRAEL DEACONESS MEDICAL CENTER
Cortactin and Spine Dysfunction in Fragile X	$33,763	Q2.S.D	University of California, Irvine
Correcting excitatory-inhibitory imbalance in autism	$225,000	Q2.Other	University of North Carolina
Coordinate actions between methyl-CpG binding proteins in neuronal development	$226,585	Q2.S.D	University of Wisconsin
Controlling Interareal Gamma Coherence by Optogenetics, Pharmacology and Behavior	$250,546	Q2.Other	PRINCETON UNIVERSITY
Contribution of cerebellar CNTNAP2 to autism in a mouse model	$0	Q2.Other	University of Oxford

Project Title	Funding	Strategic Plan Objective	Institution
Connectivity of the Posterior Cerebellum	$39,720	Q2.Other	PRINCETON UNIVERSITY
Computational characterization of language use in autism spectrum disorder	$692,720	Q2.Other	OREGON HEALTH & SCIENCE UNIVERSITY
Computational characterization of language use in autism spectrum disorder	$99,966	Q2.Other	OREGON HEALTH & SCIENCE UNIVERSITY
Comprehensive phenotypic characterization of the 17q12 deletion syndrome	$0	Q2.S.G	Weis Center for Research - Geisinger Clinc
Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	Q2.Other	Massachusetts Institute of Technology
Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	Q2.Other	Landmark College
Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	Q2.Other	TERC Inc
Cognitive and Neural Flexibility in Autism	$480,296	Q2.Other	University of Miami
CNTNAP2 regulates production, migration and organization of cortical neurons	$62,500	Q2.Other	Memorial Sloan-Kettering Cancer Center
Classifying autism etiology by expression networks in neural progenitors and differentiating neurons	$149,999	Q2.Other	Massachusetts General Hospital
CLARITY: circuit-dynamics and connectivity of autism-related behavior	$246,539	Q2.Other	Stanford University
CIRCADIAN RHYTHMS IN CHILDREN WITH ASD AND THEIR INFANT SIBLINGS	$0	Q2.S.E	Naval Medical Research Center
Chloride homeostasis and GABA maturation in fragile X syndrome	$231,750	Q2.S.D	Northwestern University
Children with 7q11.23 duplication syndrome: shared characteristics with autism	$125,000	Q2.S.G	University of Louisville
Characterizing Sensory Hypersensitivities in Autism	$215,214	Q2.L.B	Massachusetts General Hospital
Characterizing mechanistic heterogeneity across ADHD and Autism	$709,255	Q2.Other	OREGON HEALTH & SCIENCE UNIVERSITY
Characterizing Lexical Processing in Toddlers with Autism Spectrum Disorders	$544,025	Q2.Other	University of Wisconsin
Characterizing and Manipulating the Social Reward Dysfunction in a Novel Mouse Model for Autism	$0	Q2.Other	Massachusetts Institute of Technology
Characterizing 22q11.2 abnormalities	$62,498	Q2.S.D	Children's Hospital of Philadelphia
Characterization of the sleep phenotype in adolescents and adults with autism spectrum disorder	$0	Q2.S.E	Vanderbilt University
CHARACTERIZATION OF OXYTOCIN RECEPTORS IN AUTISM SPECTRUM DISORDER	$220,839	Q2.Other	University of California, Davis

Project Title	Funding	Strategic Plan Objective	Institution
Cerebellum and autism: Neural mechanisms and modulation of predictive processing	$402,769	Q2.Other	AMERICAN UNIVERSITY
Cellular Density and Morphology in the Autistic Temporal Human Cerebral Cortex	$365,795	Q2.Other	University of California, Davis
Cell-type and circuit-specific functional deficits in cortex from gene disruptions linked to autism	$30,000	Q2.S.D	University of North Carolina
Cell-specific molecular mechanisms underlying brain pathology in ASD	$274,021	Q2.Other	University of California, Davis
Cell adhesion molecules in autism: a whole-brain study of genetic mouse models	$521,650	Q2.Other	COLD SPRING HARBOR LABORATORY
Caspr2 as an autism candidate gene: a proteomic approach to function & structure.	$318,000	Q2.Other	RBHS-ROBERT WOOD JOHNSON MEDICAL SCHOOL
CAREER: Typical and atypical development of brain regions for theory of mind	$0	Q2.Other	Massachusetts Institute of Technology
CAREER: Statistical models and classification of time-varying shape	$0	Q2.Other	University of Utah
Calcium Channels as a Core Mechanism in the Neurobiology of ASD	$35,000	Q2.S.D	Massachusetts General Hospital
Building awareness of the value of brain tissue donation for autism research	$90,165	Q2.S.C	Autism Science Foundation
BRIGE: Emotion mapping of children through human-robot interaction and affective computing	$0	Q2.Other	University of Louisville
Brain Systems Underlying Episodic Memory for Social Stimuli in Childhood Autism	$126,252	Q2.Other	STANFORD UNIVERSITY
Brain Systems Supporting Learning and Memory in Children with Autism	$170,779	Q2.Other	STANFORD UNIVERSITY
Brain Somatic Mosaicism at ASD-Associated Loci	$25,000	Q2.Other	University of Michigan
Brain Network Development in Normal and Autistic Children	$187,164	Q2.Other	UNIVERSITY OF UTAH
BRAIN MICROSTRUCTURE & BEHAVIOR IN NEWLY-DIAGNOSED TODDLERS/PRESCHOOLERS WITH ASD	$236,506	Q2.Other	Washington University in St. Louis
BRAIN MECHANISMS OF AFFECTIVE LANGUAGE COMPREHENSION IN AUTISM SPECTRUM DISORDERS	$0	Q2.Other	University of Maryland
Brain-behavior interactions and visuospatial expertise in autism: a window into the neural basis of autistic cognition	$44,400	Q2.Other	Hospital Riviere-des-Praires, University of Montreal, Canada
Brain Bases of Language Deficits in SLI and ASD	$616,032	Q2.Other	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Bone marrow transplantation and the role of microglia in autism	$62,380	Q2.S.A	University of Virginia

Project Title	Funding	Strategic Plan Objective	Institution
Biology of Non-Coding RNAs Associated with Psychiatric Disorders	$416,433	Q2.Other	University of Southern California
Biological Determinants of Brain Variation in Autism	$575,716	Q2.S.G	University of Wisconsin
Bidirectional Tyrosine Kinase Signaling	$523,695	Q2.Other	UT SOUTHWESTERN MEDICAL CENTER
Beta-catenin signaling in autism spectrum disorders	$0	Q2.S.G	University of Illinois at Chicago
Behavioral and Neural Variability in Autism Spectrum Disorder	$56,000	Q2.Other	Vanderbilt University
Behavioral, Cognitive, and Neural Signatures of Autism in Girls: Towards Big Data Science in Psychiatry	$30,000	Q2.S.B	Stanford University
BDNF regulation of the cortical neuron transcriptome	$76,792	Q2.Other	University of Colorado, Denver
BDNF and the Restoration of Synaptic Plasticity in Fragile X and Autism	$455,630	Q2.S.D	University of California, Irvine
BAZ1B Haploinsufficiency and the Neuro-phenotypes of Williams Syndrome	$59,000	Q2.S.D	The Regents of the University of California, Santa Barbara
Axonal Ultrastructure of Temporal White Matter in Autism	$78,250	Q2.Other	University of California, Davis
Autism Spectrum Disorders and Depression: Shared Mechanisms in Brain and Behavior	$160,115	Q2.S.E	Vanderbilt University
Autism Spectrum Disorder Diagnostic/Therapeutic Agent	$225,000	Q2.S.A	SPARK2FLAME, INC.
Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	$0	Q2.S.D	King's College London
Autism Linked LRRTM4-Heparan Sulphate Proteoglycan Complex Functions in Synapse Development	$29,479	Q2.S.G	University of British Columbia
Autism-linked endosomal mechanisms in neuronal arborization and connectivity	$406,250	Q2.Other	BROWN UNIVERSITY
AUTISM AND OBESITY: CO-OCCURRING CONDITIONS OR DRUG SIDE EFFECTS?	$0	Q2.S.E	Children's Mercy Hospital
AUDITORY AND INTEGRATIVE FUNCTIONS OF THE PREFRONTAL CORTEX	$370,498	Q2.Other	University of Rochester
Atypical architecture of prefrontal cortex in young children with autism	$0	Q2.Other	University of California, San Diego
Attention & word learning in children with ASD-Translating experimental findings into intervention	$0	Q2.Other	Women & Infants Hospital
A system-level approach for discovery of phenotype specific genetic variation in ASD	$0	Q2.S.G	Hebrew University
Astrocytes contribution to tuberous sclerosis pathology	$208,125	Q2.S.D	Yale University
Assessing the Cognitive Deficits Associated with 16p11.2 Deletion Syndrome	$0	Q2.S.G	Posit Science Corporation
Artifacts as Windows to Other Minds: Social Reasoning In Typical and ASD Children	$56,042	Q2.Other	Boston University

Project Title	Funding	Strategic Plan Objective	Institution
A Role for Cytoplasmic Rbfox1/A2BP1 in Autism	$30,000	Q2.Other	University of California, Los Angeles
A Quantitative Study of Pyramidal Cells and Interneurons in the Cerebral Cortex	$3,000	Q2.S.D	UNIVERSITY OF SOUTH CAROLINA
Anti-Neuronal Autoantibodies against Bacterial Polysaccharides in Autism Spectrum Disorders	$0	Q2.S.A	University of Oklahoma Health Sciences Center
Antigenic Specificity and Neurological Effects of Monoclonal Anti-brain Antibodies Isolated from Mothers of a Child with Autism Spectrum Disorder: Toward Protection Studies	$30,000	Q2.S.A	The Feinstein Institute for Medical Research
Anti-GAD antibodies in autism	$0	Q2.S.A	Hartwick College
A Novel Glial Specific Isoform of Cdkl5: Implications for the Pathology of Autism in Rett Syndrome	$60,000	Q2.S.D	University of Nebraska
A Novel GABA Signalling Pathway in the CNS	$50,000	Q2.Other	McLean Hospital
A Novel Essential Gene for Human Cognitive Function	$35,474	Q2.S.D	Harvard University
An investigation of inductive learning in autism	$59,770	Q2.Other	The Regents of the University of California, Berkeley
Animal Model of Genetics and Social Behavior in Autism Spectrum Disorders	$659,700	Q2.S.G	Duke University
Analysis of Shank3 Complete and Temporal and Spatial Specific Knockout Mice	$425,202	Q2.Other	Duke University
Analysis of MEF2 in Cortical Connectivity and Autism-Associated Behaviors	$56,042	Q2.S.D	McLean Hospital
ANALYSIS OF CORTICAL FUNCTION	$222,861	Q2.Other	National Institutes of Health
A mouse model for AUTS2-linked neurodevelopmental disorders	$189,187	Q2.S.D	University of Illinois
A Massively Parallel Approach to Functional Testing of PTEN Mutations	$29,980	Q2.S.G	OREGON HEALTH & SCIENCE UNIVERSITY
Alternative splicing-mediated mechanisms of cortical interneuron maturation and circuit integration	$98,061	Q2.Other	New York University
Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	$0	Q2.S.A	University of Southern California
Alterations to corticothalamic circuitry in a mouse model of autism	$74,000	Q2.Other	LOUISIANA STATE UNIV A&M COL BATON ROUGE
Alterations of the human brain structural connectome in preschool aged children with ASD	$30,000	Q2.Other	University of California, Davis
A Longitudinal MRI Study of Infants at Risk for Autism	$2,401,906	Q2.L.A	University of North Carolina
A gene-driven systems approach to identifying autism pathology	$998,627	Q2.S.G	University of California, San Francisco
A functional genomic analysis of the cerebral cortex	$0	Q2.Other	University of California, Los Angeles
A Family-Genetic Study of Autism and Fragile X Syndrome	$597,808	Q2.S.D	Northwestern University

Project Title	Funding	Strategic Plan Objective	Institution
A Family-Genetic Study of Autism and Fragile X Syndrome	$393,739	Q2.S.D	Northwestern University
Addressing challenges to post-mortem tissue donation in families affected with autism	$0	Q2.S.C	Autism Science Foundation
Activity-dependent Mechanisms of Visual Circuit Formation	$30,000	Q2.Other	Children's Research Institute (CRI)
Action anticipation in infants	$0	Q2.Other	University of Chicago
A computational framework for predicting the impact of mutations in autism	$431,352	Q2.S.G	University of California, San Diego
A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	$0	Q2.S.D	Boston Children's Hospital
Abnormalities in signal transduction in autism	$0	Q2.S.A	New York State Institute for Basic Research in Developmental Disabilities
Abnormal connectivity in autism	$0	Q2.Other	University of California, Los Angeles
a-Actinin Regulates Postsynaptic AMPAR Targeting by Anchoring PSD-95	$15,000	Q2.Other	University of California, Davis
24.0	$197,500	Q2.S.E	UNIVERSITY OF CHICAGO
2/2 Somatic mosaicism and autism spectrum disorder	$796,055	Q2.S.G	Yale University
16p11.2 rearrangements: Genetic paradigms for neurodevelopmental disorders	$100,000	Q2.S.D	University of Lausanne
1/2-Somatic mosaicism and autism spectrum disorder	$1,800,263	Q2.S.G	CHILDREN'S HOSPITAL CORPORATION